# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

04 Nov 2026

## posterior corneal elevation changes after photorefractive keratectomy

## Protocol summary

**Summary**

The aim of this research is to study the effect of photorefractive keratectomy refractive surgery on posterior corneal elevation. In this research 32 eyes of 16 patients aged 15 to 50 referred to Vanak Eye Surgery Center will be recruited. Posterior corneal elevation before and 3 months after photorefractive keratectomy surgery by Pentacam will be assessed.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT201009273101N4**
Registration date: **2010-10-07, 1389/07/15**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

**Registration date**

2010-10-07, 1389/07/15

**Registrant information**

**Name**

Mohamad Sadegh Ghasemi

**Name of organization / entity**

Iran University of Medical Science

**Country**

Iran (Islamic Republic of)

**Phone**

+98 21 2222 9086

**Email address**

m.s.ghasemi@iums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Iran University of Medical Sciences

**Expected recruitment start date**

2010-04-21, 1389/02/01

**Expected recruitment end date**

2010-10-22, 1389/07/30

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

posterior corneal elevation changes after photorefractive keratectomy

**Public title**

posterior corneal elevation changes after photorefractive keratectomy

**Purpose**

Other

**Inclusion/Exclusion criteria**

Inclusion criteria: candidates of photorefractive keratectomy, myopic patients, no use of rigid contact lenses 1 month and soft contact lenses 2 weeks before surgery, residence in Tehran Exclusion criteria: corneal pathology such as keratoconus, use of ocular drugs, previous ocular surgery, amblyopia, pregnancy

**Age**

From **15 years** old to **45 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **32**

**Randomization (investigator's opinion)**

N/A

**Randomization description**

**Blinding (investigator's opinion)**

Not blinded

**Blinding description**

**Placebo**
Not used
**Assignment**
Single
**Other design features**

## Secondary Ids

empty

## Ethics committees

**1**

**Ethics committee**
**Name of ethics committee**
Ethics Committee of faculty of rehabilitation, Iran University of Medical Sciences
**Street address**
Rehabilitation college, Shahnazari St, Madar avenue, Mirdamad blvd
**City**
tehran
**Postal code**
**Approval date**
empty
**Ethics committee reference number**
233

## Health conditions studied

**1**

**Description of health condition studied**
myopia
**ICD-10 code**
H52.1
**ICD-10 code description**
MYOPIA

## Primary outcomes

**1**

**Description**
posterior corneal elevation
**Timepoint**
before and 3 months after surgery
**Method of measurement**
Pentacam

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
photorefractive keratectomy refractive surgery
**Category**
Treatment - Surgery

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
Vanak Eye Surgery center
**Full name of responsible person**
Dr Nader Nasiri
**Street address**
Vanak square
**City**
Tehran

## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Vice-chancellor for Research, Iran University of Medical Sciences
**Full name of responsible person**
Dr M. Moradi Lakeh
**Street address**
Iran University of Medical Sciences-Hemmat expway
**City**
Tehran
**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
Yes
**Title of funding source**
Vice-chancellor for Research, Iran University of Medical Sciences
**Proportion provided by this source**
100
**Public or private sector**
*empty*
**Domestic or foreign origin**
*empty*
**Category of foreign source of funding**
*empty*
**Country of origin**
**Type of organization providing the funding**
*empty*

## Person responsible for general inquiries

**Contact**
**Name of organization / entity**
Faculty of Rehabilitation, Iran University of Medical Sciences
**Full name of responsible person**
Dr Mohamad Sadegh Ghasemi
**Position**
Assistant Professor, PhD
**Other areas of specialty/work**
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## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Faculty of RehabilitationIran University of Medical Sciences

**Full name of responsible person**

Vahid Damanpak

**Position**

Master of science in optometry

**Other areas of specialty/work**

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## Person responsible for updating data

**Contact**

## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*